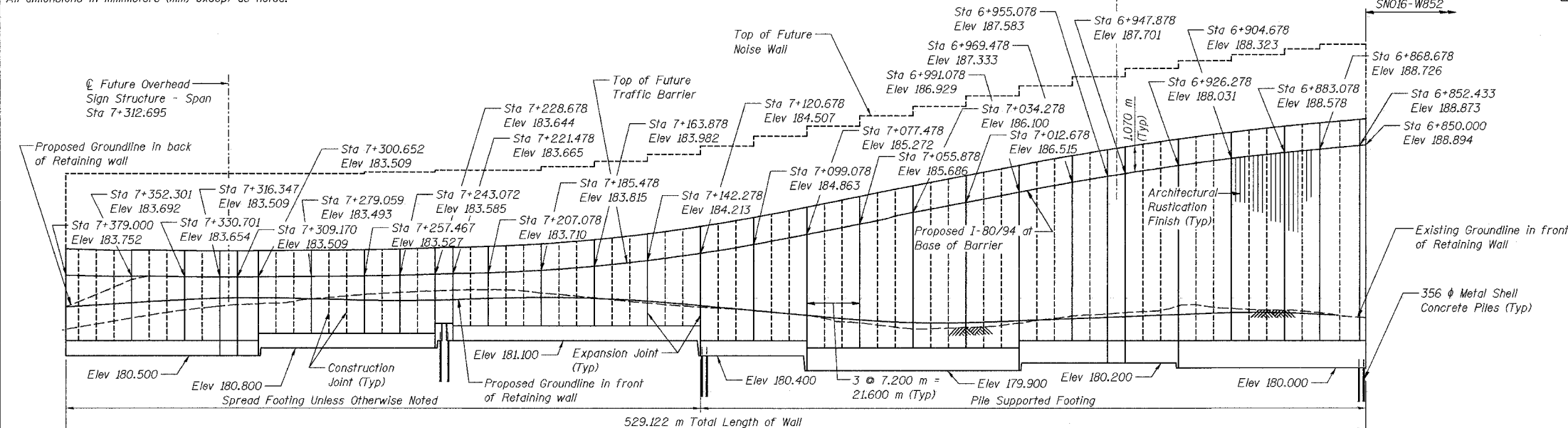


Benchmark: Chiseled "x" on sign bolt (SW). Sign reads "Calumet City Lansing Exit 161" westbound I-80 across from mile marker 163.01, Elev. = 182.212
 Existing Structure: None
 All dimensions in millimeters (mm) except as noted.

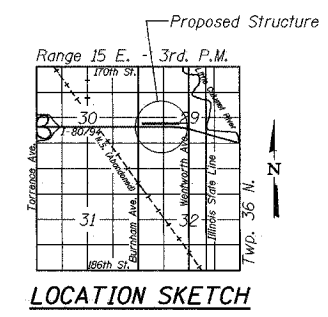
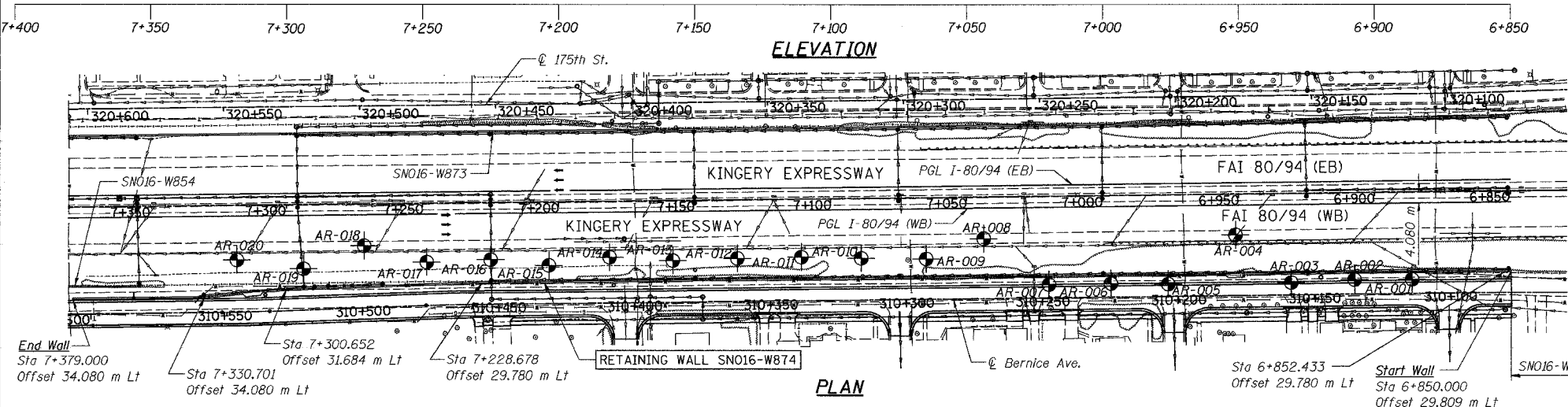
ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
66-94	1078	COOK	1207 983	35 SHEETS
CONTRACT No. 62114				



- LEGEND**
- ⊙ - Soil Boring Location
 - - - Existing Roadway/Structure
 - Proposed Roadway/Structure
 - ⊙ - Tree
 - Shrubs/Brush
 - Proposed Storm Sewer
 - Existing Storm Sewer
 - Existing Water Main
 - Existing Electricity Line
 - Existing Telephone Line



GARY S. POWELL, S.E.
 IL. LIC. NO. 081-004771
 EXP _____
 DATE _____



LOADING

Wind Load on Future Noise Wall = 1.7 kPa

DESIGN STRESSES

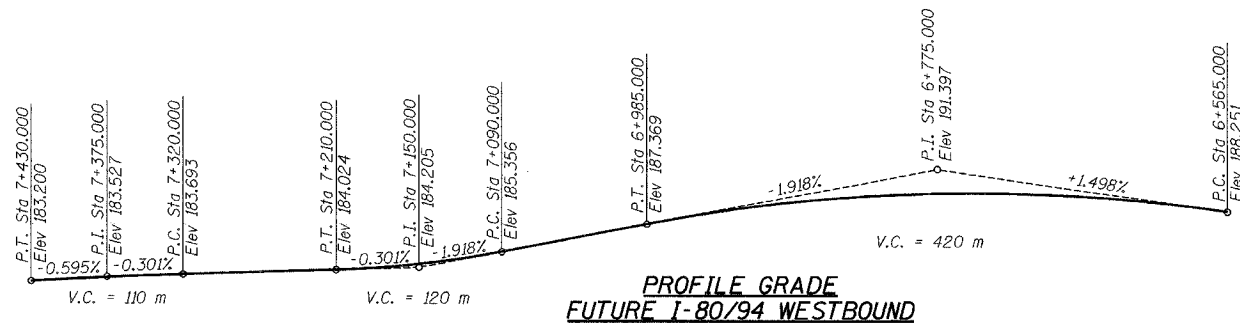
FIELD UNITS
 $f'_c = 24 \text{ MPa}$
 $f_y = 400 \text{ MPa (Reinf.)}$
 Maximum Applied Soil Bearing Pressure = 79 kPa

DESIGN SPECIFICATIONS

AASHTO 2002 Standard Specifications for Highway Bridges.
 AASHTO 1989 Guide Specifications for Structural Design of Sound Barriers and 1992 Interims

CURVE DATA I-80/94

$\Delta = 20^\circ - 11' - 25''$
 $D = 2.979^\circ$
 $R = 1923.6$
 $T = 342.476$
 $L = 677.849$
 $E = 30.249$
 $P.C. = 7+380.276$
 $P.T. = 7+722.751$
 $P.T. = 8+058.125$
 $S.E. = 2.9\%$



DESIGNED	BHS
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.J. ROUTE 80/94 AND U.S. ROUTE 6
 LOCAL ROAD RECONSTRUCTION
GENERAL PLAN
 SECTION 2001-167R
 COOK COUNTY
 STATION 6+850.000 TO STATION 7+379.000
 STRUCTURE NO. 016-W874
 DATE 07/05
AMERICAN
 CONSULTING ENGINEERS

FOR INFORMATION ONLY